

AIR POLLUTION CONTROL
PERMIT RENEWAL APPLICATION

Permit No. M96004

Name of Company Amity Technology, LLC
Mailing Address 2800 7th Ave N
City/State/Zip Fargo, ND 58102

As an authorized company representative, I certify that, to the best of my knowledge, the information contained on the attached renewal forms (Permit to Operate) and additional sheets is both complete and accurate. Changes in the process and any additions or deletions of source units and equipment have been annotated.

Comments:

Signature Brian E Dahl Date Dec 20, 2021
Name Brian E Dahl Tel. No. 701 232 4199
(Typed or Printed)
Title VP
Email address bdahl@amitytech.com

Send Renewal Application To:

North Dakota Department of Environmental Quality
Division of Air Quality
918 E Divide Avenue, 2nd Floor
Bismarck, ND 58501-1947

RTT



**AIR POLLUTION CONTROL
MINOR SOURCE
PERMIT TO OPERATE**

Pursuant to Chapter 23-25 of the North Dakota Century Code, and the Air Pollution Control Rules of the State of North Dakota, and in reliance on statements and representations heretofore made by the owner designated below, a Permit to Operate is hereby issued authorizing such owner to operate the source unit(s) at the location designated below. This Permit to Operate is subject to all applicable rules and orders now or hereafter in effect of the North Dakota Department of Health and to any conditions specified below:

1. Permittee: A. Name: Amity Technology, LLC B. Address: 2800 7 th Ave North Fargo, ND 58102	2. A. Permit Number: M96004 Renewal No.: 2 Revision No.: 0 B. Permit Description: Synthetic Minor Source: NDAC 33-15-14-03.1.e
3. Source Name & Location: Amity Technology, LLC 2800 7 th Ave North Fargo, ND Cass County	4. Source Type: Manufacturing; Equip. Const/Coating
5. Expiration Date: <div style="text-align: center; margin-top: 10px;">December 26, 2021</div>	
6. Source Unit(s):	

Emission Unit Description	Emission Unit (EU)	Emission Point (EP)	Air Pollution Control Equipment
Large parts paint booth	1	1	Dry Filter
Infrared bake oven with 36 natural gas-fired burners; 8 at 50,000 Btu/hr each, 16 at 30,000 Btu/hr each and 12 at 40,000 Btu/hr each	2	2	None
Two powder coat paint booths	3-4	3-4	Dry Filters
Bake oven rated at 3.0 MMBtu/hr	5	5	None

Emission Unit Description	Emission Unit (EU)	Emission Point (EP)	Air Pollution Control Equipment
Two natural gas-fired make-up air heaters rated at 3.78 and 0.65 MMBtu/hr	6-7	6-7	None
Natural gas-fired heater systems with heat input ratings ranging from 45,000 – 250,000 Btu/hr	Various	Various	None

CONDITIONS

7. A. **Emission Limits:** Emission limits from the operation of the source unit(s) identified in Item 6 of this Permit to Operate (hereafter referred to as "permit") are as follows. Source units not listed are subject to the applicable emission limits specified in the North Dakota Air Pollution Control Rules.

Emission Unit Description	EU	EP	Pollutant/Parameter	Emission Limit*
All emission units	1-7 and various	1-7 and various	Opacity	20%**

*Limit applies to each emission unit.

**40% permissible for not more than one six-minute period per hour.

B. **Process Restrictions:**

- 1) **VOC Emission Limit:** Volatile organic compound (VOC) emissions from all paint usage are limited to a total of 95.0 tons per rolling 12-month period.

By the 15th day of each month, the permittee shall record for the previous month the hours of operation, pounds of VOC per gallon of all coating being sprayed, the amount (in gallons) of each coating used in the system and the amount (in gallons) of cleaning, purging and thinning solvent used in the system. VOC emissions shall be calculated on a monthly basis and on a 12-month period using the following equation:

$$\text{VOC emissions (tons)} = [(\text{CU} \times \text{VOCC}) + (\text{SU} \times \text{VOCS})] / 2000$$

CU = coating usage (gallons)

VOCC = VOC content of coating (lbs VOC/gallon)

SU = solvent usage (pounds)

VOCS = VOC content of solvent (lbs VOC/gallon)

- 2) **HAP Emission Limit:** Hazardous air pollutant (HAP) emissions from all paint usage are limited to a total of 9.5 tons of any one HAP and 24.0 tons for all HAPs per rolling 12-month period.

By the 15th day of each month, the permittee shall record for the previous month the hours of operation, pounds of HAP per gallon of all coating being sprayed, the amount (in

gallons) of each coating used in the system and the amount (in gallons) of cleaning, purging and thinning solvent used in the system. HAP emissions shall be calculated on a monthly basis and on a 12-month period using the following equation:

$$\text{HAP emissions (tons)} = [(CU \times \text{HAPC}) + (SU \times \text{HAPS})] / 2000$$

CU = coating usages (gallons)
HAPC = HAP content of coating (lbs HAP/gallon)
SU = solvent usage
HAPS = HAP content of solvent (lbs HAP/gallon)

- 3) In the event that the VOC exceed 95 tons and/or HAP emissions exceed 9.5 tons of any one HAP and/or 24.0 tons for all HAPs in a 12-month period, the permittee shall notify the Department by the 25th day of the month in which the calculation was made.
- C. **Fuel Restriction:** The bake ovens (EU 2 & 5) and the air heaters (EU 6 & 7) are restricted to combusting only natural gas containing no more than 2 grains of sulfur per 100 standard cubic feet.
- D. **Fugitive Emissions:** The release of fugitive emissions shall comply with the applicable requirements in NDAC 33-15-17.
- E. **Annual Emission Inventory/Annual Production Reports:** The owner/operator shall submit an annual emission inventory report and/or an annual production report upon Department request, on forms supplied or approved by the Department.
- F. **Source Operations:** Operations at the facility shall be in accordance with statements, representations, procedures and supporting data contained in the initial application, and any supplemental information or renewal application(s) submitted thereafter. Any operations not listed in this permit are subject to all applicable North Dakota Air Pollution Control Rules.
- G. **Alterations, Modifications or Changes:** Any alteration, repairing, expansion, or change in the method of operation of the source which results in the emission of an additional type or greater amount of air contaminants or which results in an increase in the ambient concentration of any air contaminant, must be reviewed and approved by the Department prior to the start of such alteration, repairing, expansion or change in the method of operation.
- H. **Recordkeeping:** The owner/operator shall maintain any compliance monitoring records required by this permit or applicable requirements. The owner/operator shall retain records of all required monitoring data and support information for a period of at least five years from the date of the monitoring sample, measurement, report or application. Support information may include all calibration and maintenance records and all original strip-chart recordings/computer printouts for continuous monitoring instrumentation, and copies of all reports required by the permit.

- I. **Air Pollution from Internal Combustion Engines:** The permittee shall comply with all applicable requirements of NDAC 33-15-08-01 – Internal Combustion Engine Emissions Restricted.
- J. **Nuisance or Danger:** This permit shall in no way authorize the maintenance of a nuisance or a danger to public health or safety.
- K. **Malfunction Notification:** The owner/operator shall notify the Department as soon as possible during normal working hours of any malfunction which can be expected to last longer than twenty-four hours and can cause the emission of air contaminants in violation of applicable rules and regulations. Immediate notification to the Department is required for any malfunction that would threaten health or welfare, or pose an imminent danger.
- L. **Operation of Air Pollution Control Equipment:** The owner/operator shall maintain and operate all air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions.
- M. **Permit Renewal and Invalidation:** This permit shall be effective from the date of its issuance until the date specified in Item 5 unless sooner suspended, revoked or surrendered. Upon suspension or revocation, the permit shall be returned to the Department. Application for renewal of this permit shall be submitted ninety days prior to such expiration date. The Department shall approve or disapprove the renewal of the permit within ninety days of receipt of the renewal application.
- N. **Change of Ownership:** This permit may not be transferred without prior approval from the Department.
- O. **Right of Entry:** Any duly authorized officer, employee or agent of the North Dakota Department of Health may enter and inspect any property, premise or place at which the source listed in Item 3 of this permit is located at any time for the purpose of ascertaining the state of compliance with the North Dakota Air Pollution Control Rules. The Department may conduct tests and take samples of air contaminants, fuel, processing material, and other materials which affect or may affect emissions of air contaminants from any source. The Department shall have the right to access and copy any records required by the Department's rules and to inspect monitoring equipment located on the premises.
- P. **Other Regulations:** The owner/operator of the source unit(s) described in Item 6 of this permit shall comply with all State and Federal environmental laws and rules. In addition, the owner/operator shall comply with all local burning, fire, zoning, and other applicable ordinances, codes, rules and regulations.
- Q. **Permit Issuance:** This permit is issued in reliance upon the accuracy and completeness of the information set forth in the application. The conditions of this permit herein become, upon the effective date of this permit, enforceable by the Department pursuant to any remedies it now has,

or may in the future have, under the North Dakota Air Pollution Control Law, NDCC Chapter 23-25. Each and every condition of this permit is a material part thereof, and is not severable.

- R. **Odor Restrictions:** The owner/operator shall not discharge into the ambient air any objectionable odorous air contaminant which is in excess of the limits established in NDAC 33-15-16.
- S. **Sampling and Testing:** The Department may require the owner/operator to conduct tests to determine the emission rate of air contaminants from the source. The Department may observe the testing and may specify testing methods to be used. A signed copy of the test results shall be furnished to the Department within 60 days of the test date. The basis for this condition is NDAC 33-15-01-12 which is hereby incorporated into this permit by reference. To facilitate preparing for and conducting such tests, and to facilitate reporting the test results to the Department, the owner/operator shall follow the procedures and formats in the Department's Emission Testing Guideline.

FOR THE NORTH DAKOTA
DEPARTMENT OF HEALTH

Date

1/9/17

By

Terry L. O'Clair
Terry L. O'Clair, P.E.

Director

Division of Air Quality